

S.W. Adams,

Twine Cutter.

No. 105,878.

Patented Aug. 2, 1870.

Fig. 1

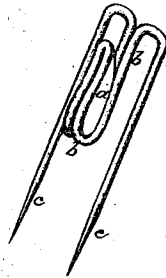
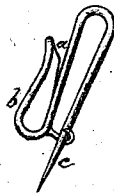


Fig. 2



Fig. 3



Witnesses
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SAMUEL W. ADAMS, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO T. B. DOOLITTLE, OF BRIDGEPORT, CONNECTICUT.

Letters Patent No. 105,878, dated August 2, 1870.

IMPROVEMENT IN TWINE AND THREAD-CUTTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, SAMUEL W. ADAMS, of Providence, of Providence county, in the State of Rhode Island, have invented a new and useful Improvement in Thread or Twine-Cutters; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing making part of this application.

Previous to my invention a great variety of devices have been suggested to serve the purposes of twine and thread-cutters. Some have been so made as to be adapted for use in connection with a spool; others to be used in connection with a lady's thimble, and others to be attached by a pin or hook to a person's garment.

My invention relates to this last-named kind of twine or thread-cutter, and has for its object to provide a twine-cutter which, while it may be used with the same facility and advantages as other twine-cutters heretofore designed to be attached to the garment of a person by means of a hook or pin, shall be much more simple in its construction, and can be much more economically manufactured than any of those heretofore invented, and to these ends my invention consists in making a twine or thread-cutter of a single piece of wire, bent around, so as to form the body and fastening hooks or pins, and a cutting device, in the manner hereinafter more fully explained; and

My invention further consists in having the body and cutting device so made and combined that the latter shall be stationary or non-yielding, so as to render the cutting operation more certain, as will be hereinafter more fully explained.

To enable those skilled in the art to make and use my invention, I will proceed to describe it more fully, referring by letters to the accompanying drawing, in which—

Figure 1 is a perspective view of one of my improved twine-cutters.

Figure 2 is a sectional elevation of the same; and

Figure 3 is a perspective view of a modification in the construction of the implement.

In the several figures the same parts will be found designated by the same letter of reference.

b is the body or frame of the instrument, which is formed, as shown, of a single piece of wire, bent around, so as to not only afford a stock to secure the cutter or knife, *a*, to, but so as to also present two

pins or securing hooks, *c c*, by means of which the instrument or machine may be pinned or hooked onto the garment of a person, or to any other desired place to which any thing else could be readily pinned.

The knife or cutter *a* is a simple steel blade secured to the wire body, as shown, where it is bent up in such a manner as to be non-yielding, and so as to present a rigid cutting-edge.

If deemed expedient, an ornament of sheet-metal may be struck up and attached to the body *b*, so as to cover it, and give to the whole device a more pleasing or tasteful appearance.

It will be understood that, by forming the body and hooks all of one piece of wire, as shown, the manufacture of the instrument is rendered exceedingly simple and economic, while, by shaping it as shown, and securing the knife-blade *a* rigidly to the bent-up portion of the body *b*, a non-yielding cutter is afforded, which I deem advantageous.

The operation of the improved twine-cutter does not need much explanation. As already suggested, the device is adapted to be used by any person having it hooked or pinned onto the coat or vest collar, or to the dress of a female, and the twine or thread is cut by passing it cross-wise down over the cutting-edge of knife *a*.

At fig. 3 I have shown the instrument provided with a retaining loop or catch, into which the pin is sprung, after the fashion of the fastening of a ladies' breast-pin.

Of course the apparatus may be varied in its shape, design, and size, without departing from the spirit of my invention, so long as its frame or body is formed of one piece, or it has a rigid or non-yielding cutter.

Having explained my invention so that those skilled can make and use it,

What I claim therein as new, and desire to secure by Letters Patent, is—

A twine or thread-cutter, constructed as described, with its entire body and the fastening-pin or hooks of a single piece of wire, for the purposes set forth.

In testimony whereof I have hereunto set my hand and seal this 21st day of March, 1870.

SAMUEL W. ADAMS. [L. S.]

Witnesses:

J. MCINTIRE,
E. S. H. CULLY.